

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/005355

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ G02B6/12, 6/42

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ G02B6/12, 6/42, G02F1/00-1/125, G02F1/29, H01S5/00-5/50

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
JSTPlus (JOIS)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2001-508887 A (Massachusetts Institute of Technology), 03 July, 2001 (03.07.01), Full text & US 6130969 A1 & UA 6101300 A1 & US 2002/118923 A1 & US 6512866 B1 & EP 988569 A & WO 1998/57207 A1 & WO 2003/77023 A1 & CA 2293660 A	1-15
A	Takashi ASANO et al., "2 Jigen Photonic Kessho ni yoru Hacho Gobunha Device -Mennai Hetero Kozo no Teian-," 2002 Nen (Heisei 14 Nen) Shunki Dai 49 Kai Oyo Butsurigaku Kankei Rengo Koenkai Koen Yokoshu, Separate Vol.3, 27 March, 2002 (27.03.02), page 1039	1-15

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
09 June, 2005 (09.06.05)

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Name and mailing address of the ISA/
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/005355

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Hoshoku SO et al., "Mennai Hetero Photonic Kessho ni yoru Hacho Bungoha Device", 2002 Nen (Heisei 14 Nen) Shuki Dai 63 Kai Extended abstracts; the Japan Society of Applied Physics, Separate Vol.3, 24 September, 2002 (24.09.02), page 916	1-15
A	JP 2002-510400 A (Gorunotto, Ditoma), 02 April, 2002 (02.04.02), Full text & US 6310991 B1 & EP 985159 B & WO 1998/53350 A1 & DE 19720784 A & DE 59801875 D & AU 7529598 A & AT 207622 T & AU 740986 B & NZ 337209 A & CA 2289201 A	1-15
A	JP 2002-268105 A (Lucent Technologies Inc.), 18 September, 2002 (18.09.02), Full text & US 2004/17960 A1 & US 2004/184715 A & CA 2363630 A	1-15
A	JP 6-88915 A (Corning Inc.), 29 March, 1994 (29.03.94), Par. Nos. [0038] to [0039]; Fig. 4A & US 5253319 A1 & US 5612171 A & EP 557713 A1 & AU 661890 B & AU 3304093 A & CA 2084248 A	1-15
P,A	JP 2004-233941 A (Japan Science and Technology Agency), 19 August, 2004 (19.08.04), Full text & WO 2004/53549 A1	1-15
P,A	JP 2004-334190 A (Ricoh Co., Ltd.), 25 November, 2004 (25.11.04), Full text (Family: none)	1-15
P,A	JP 2004-212416 A (Japan Science and Technology Agency), 29 July, 2004 (29.07.04), Full text (Family: none)	1-15